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What is claimed is:

of interchangeable parts.

- A method of grouping parts in inventory, comprising:
 defining a database for indicating functional relationships between
 a plurality of parts; and
- searching the database to identify one or more groups of functionally interchangeable parts.
- The method of claim 1, wherein the step of searching includes:
 repeatedly searching the database to produce a list of parts that
 can be used interchangeably.
 - 3. A method of generating a list of interchangeable parts, comprising: defining a first table identifying a plurality of parts; defining a second table, associated with the first table, indicating functional relationships between the parts; and recursively searching the first and second tables to generate the list
 - The method of claim 3, further comprising:
 receiving a part identifier.
 - 5. The method of claim 4, wherein the step of recursively searching includes:
- applying the part identifier to the first table to retrieve a functional relationship from the second table, the functional relationship specifying an additional part identifier; and

applying the additional part identifier to the first table to retrieve an additional functional relationship from the second table.

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PATENT APPLICATION

6.	A parts inventory system, comprising:
	a database for indicating functional relationships between a
plurality of pa	arts; and

a search engine for searching the database to identify one or more groups of functionally interchangeable parts.

- 7. The parts inventory system of claim 6, wherein the database includes:
- a first table identifying the parts; and
 a second table, associated with the first table, indicating the
 functional relationships between the parts.
- 8. The parts inventory system of claim 7, wherein the search engine recursively searches the first and second tables to generate the list of
 15 interchangeable parts.
 - 9. The parts inventory system of claim 7, wherein the search engine includes:

means for applying a part identifier to the first table to retrieve a

functional relationship from the second table, the functional relationship

specifying an additional part identifier; and

means for applying the additional part identifier to the first table to retrieve an additional functional relationship from the second table.

- 10. The parts inventory system of claim 6, further comprising: an input interface for receiving a part identifier.
- 5 11. The parts inventory system of claim 6, further comprising:
 a network interface permitting remote users to generate a list of interchangeable parts.
- 12. The parts inventory system of claim 6, further comprising:
 a remote workstation for communicating with the search engine over a communication network.
 - 13. A computer program product in a computer-usable medium, comprising:
- means for defining a database for indicating functional relationships between a plurality of parts; and means for searching the database to identify one or more groups of functionally interchangeable parts.
- 20 14. The computer program product of claim 13, wherein the searching means includes:

means for repeatedly searching the database to produce a list of parts that can be used interchangeably.

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- 15. The computer program product of claim 13, comprising: means for defining a first table identifying the parts; means for defining a second table, associated with the first table,
- 5 indicating the functional relationships between the parts; and
 means for recursively searching the first and second tables to
 generate a list of the interchangeable parts.
 - 16. The computer program product of claim 15, further comprising:
 mean for applying a part identifier to the first table to retrieve a
 functional relationship from the second table, the functional relationship
 specifying an additional part identifier; and

means for applying the additional part identifier to the first table to retrieve an additional functional relationship from the second table.